AEONIX
Case Study

IIT Bombay

EDUCATION

TADIRAN. SIMPLY DONE RIGHT

The Indian Institute of Technology Bombay

The Indian Institute of Technology Bombay (IIT Bombay) is India's premier public engineering institution located in Powai, Mumbai, India.

The IIT Bombay campus is located at a suburb in north eastern Mumbai, between the Vihar and Powai lakes. The campus is divided into clusters of buildings. The academic area chiefly comprises the main building, various departmental annexes and auditoria. There are a total of 16 hostels, of which two hostels (Hostels 10 and 11) and a part of the newly constructed hostel (Hostel 15) are for female students. The institute campus at Powai extends over 200 hectares and is situated in picturesque surroundings with the Vihar and the Powai lakes on either side or green hills in and around.

Project Scope

There was a requirement to provide phones to everyone on campus including their residence members. There were options of either expanding the existing FlexiCom 6000 system or to choose a server based solution to provide phones in colony.

Due to availability of LAN network in colony, IIT decided to take advantage of the LAN network and went ahead with a server based solution and decided to provide SIP phones to colony residents.

Initially, basic IP phones were required for their staff to communicate with other existing users. Also, a requirement for video phones arose for top faculty members, in addition to SIP clients for their mobile users. As most of the faculties are on the move, they wanted to explore SIP client technology with existing Wi-Fi network. Seamless integration with existing users was also a primary requirement

The Customer had tremendous trust in Tadiran and hence decided to go for Tadiran solution due to the ruggedness of the product.

Deployed Solution Benefits

Seamless connectivity for all users with close numbering schemes of existing 4000+ users. Feature transparency between old and new users like call back, call forward,

message wait lamp etc. was the additional advantage.

IIT kept existing and previously deployed infrastructure effectively for IP phone connectivity.

Usage of existing PSTN lines for incoming and outgoing calls for new SIP phone users without spending on additional PSTN lines was achieved thanks to seamless connectivity.

Enabling mobility by usage of existing WI-FI network for SIP clients on smart phones was also achieved.

Topology
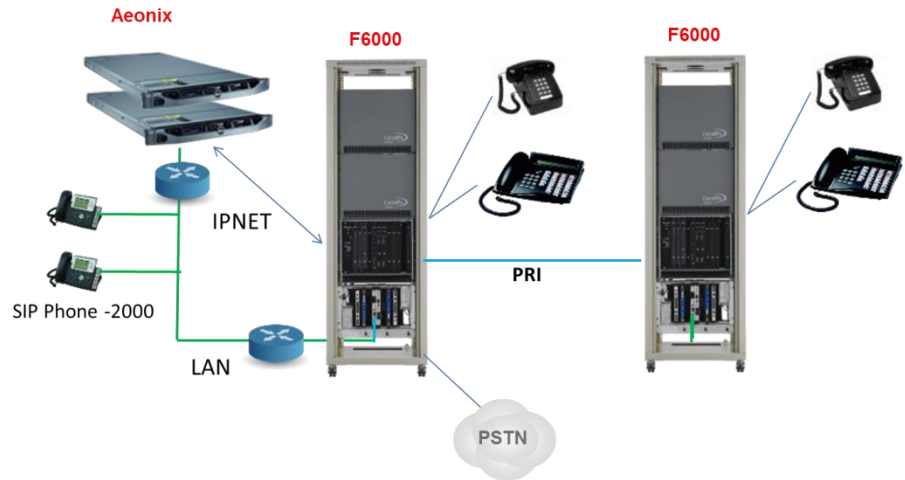
AEONIX

Aeonix is a software only communications solution that consolidates disparate business applications into a single, fault tolerant platform. The Aeonix Unified Communications platform, Aeonix Contact Center (ACC), and Aeonix Dispatch Console (ADC), all reside in one virtual instance or COTS server. Aeonix runs on any virtualization platform including VMware, Hyper-V and cloud platforms such as AWS, and can easily port from one platform to another ("Bring Your Own Cloud"). Cloud based, hybrid or on premises, Aeonix provides the same enterprise grade feature set and capabilities. Aeonix' unparalleled scalability allows immediate ROI for a Managed Services practice. Other advantages of the Aeonix include simplicity of implementation and maintenance, and support for open standards such as SIP (unmodified), CSTA, and Web Services.

Your Benefits

Scalability- Aeonix has the ability to extend customer networks based on current demand and changing needs. The open-ended architecture allows customers flexibility to buy and install only what they currently need, and to add users, remote locations and additional applications as they become necessary. The standard system solution has the ability to provide service from 10 to 25,000 users

Simplicity- Aeonix includes unified management of all system services and applications. An intuitive GUI and a simple licensing mechanism make it easy to install, manage and maintain. Adding users, remote sites, or applications to one Aeonix server, is the same as adding them to every server in the network

Open Architecture- Aeonix supports standard protocols such as SIP (unmodified), CSTA, and Web Services. This non-proprietary architecture allows customers to seamlessly integrate a variety of common applications and to add desired devices to the system (Bring Your Own Device). Security protocols are implemented to ensure the system's integrity and prevent unauthorized operations

Resiliency- A system can consist of one or many servers while each Aeonix server provides complete 100% application functionality. In a "clustered" (multi-server) environment, automated diagnostics and recovery mechanisms deliver the highest levels of fault tolerance and failover.

The Aeonix delivers powerful, flexible, and adaptable communications to enterprises both large and small. Its simple unified management structure ensures that customers experience the lowest total cost of ownership (TCO) with minimal IT resources required.

About Tadiran

Tadiran Telecom (TTL) L.P. is a privately held partnership, owned by Afcon Holdings Ltd. and part of the Shlomo Group. It is an established global provider of Unified Communications & Collaboration (UC&C), Contact Center, and Control Room solutions, serving businesses of all sizes, including tier-1 organizations in various market segments in 41 countries worldwide. Tadiran solutions feature a comprehensive family of products including UC platforms, IP PBXs, soft switches, contact centers, Dispatch Console, IP phones and mobility and desktop solutions.